

Amended Claims – Version Without Markings (Clean Copy)

CLAIMS

What is claimed is:

1. A bandpass filter, comprising an inductor having a core that consists essentially of an Fe-base amorphous metal alloy and has a substantially constant permeability over a frequency range of about 1 to 1000 kHz.
4. A bandpass filter as recited by claim 1, wherein said substantially constant permeability exists for a field strength range of approximately -15 to +15 Oe.
5. An inductor comprising a core that consists essentially of an Fe-base amorphous metal alloy, and has a substantially constant permeability over a frequency range of approximately 1 to 1000 KHz.
7. An inductor as recited by claim 5, wherein said substantially constant permeability is extant over a field strength range of approximately -15 to +15 Oe.
8. In a method for limiting frequency communications, the improvement wherein there is utilized an inductor having a core consisting essentially of an Fe-base amorphous metal alloy and having a substantially constant permeability over a frequency range of about 1 to 1000 kHz.
11. A method as recited by claim 8, wherein said core permeability is substantially constant over a magnetic field strength range of approximately -15 to +15 Oe.